

SPG-159

1147-4
3525-3

OTTAWA, May 9, 1972.

TEMPORARY SPECIAL APPROVAL

Granted to: Canex Gas Ltd.,
736-8th Avenue S.W.
Calgary 2, Alberta

Attention: Mr. Harvey H. Doyle,
Manager of Engineering.

Subject: Use of Pressure Factor in Gas
Metering Installation.

Temporary Special Approval has been granted by the Standards Branch to Canex Gas Limited, to apply a pressure factor in the measurement of gas at the following installation under the stated conditions:

Name	- Roseglen Hutterian Brethren
Address	- S.W. 4 Sec. 2-18204 Hilda, Alberta
Nature of Load	- Domestic and farm use
Maximum Load	- 1639.2 cfh
Canex Line	- 200 psig average
Metering pressure	- 50 psig
Upstream Regulator	- Reliance Type H.P.R. Range 50-125, Orifice - 3/8"
Downstream Regulator	- Reliance Type H.P.R. Range 25-75, Orifice - 9/16"
Relief Valve	- Reliance Type R.P.R. Range 50-125, Set at 60#
Meter	- Can. Meter Co. AL 800 Cap 650 cfh Range 100 psig, Inspection #295 Serial R 50031
Base Pressure	- 14.4 psi
Base Temperature	- 520°R
Average Atmospheric Pressure	- 13.0 psi
Average Mean Annual Temperature	- 505°R
Supercompressibility	- from A.G.A. report #3
Volume Factor	- $\frac{13.50}{14.4} \times \frac{1.0088}{1.0} \times \frac{520}{505} = 4.5446$

This service may be subject to spot checks by the Electricity and Gas Inspection Service at any time with reasonable notice.

This approval is temporary and will expire when permanent regulations pertaining to pressure factor measurement are put into effect.

W.J.S. Fraser

W.J.S. Fraser,
Chief,
Electricity and Gas Division.

c.c. Mr. A. S. Park, Calgary

